Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

RELIABILITY PREDICTION

Model : PQ-100 Data:2000-02-01

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	34	0.003700	10	1.258000	32.534
9.1	Resistor-Film Power (RD)	1	0.010000	10	0.100000	2.586
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	4.396
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	10.345
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.362
10.1	Capacitor-Metal, Plastic (CH)	4	0.000510	10	0.020400	0.528
10.1	Capacitor-Ceramic(Gen.) (CK)	14	0.001700	10	0.238000	6.155
10.1	Capacitor-Aluminum Dry (CE)	18	0.001300	10	0.234000	6.052
6.1	Diode-Gen. Purpose Analog	2	0.003600	8	0.057600	1.490
6.1	Diode-Switching	5	0.000940	8	0.037600	0.972
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	9.517
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	3.476
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	0.683
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.517
6.3	Transistor-NPN/PNP	1	0.000150	8	0.001200	0.031
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	2.896
6.11	OPTO-isolator	1	0.027000	8	0.216000	5.586
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.097
5.1	Linear Microcircuits	4	0.009500	10	0.380000	9.827
11.1	Transformer Switching	1	0.000610	3	0.001830	0.047
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.007
17.1	Single Connections-Reflow solder	276	0.000069	1	0.019044	0.493
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.006
22.1	Fuses	1	0.010000	1	0.010000	0.259
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.138
Total Failure rate:					3.866762	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 258614.31 **hrs**

Approved by: Dang 7/9 . Compiled by: Kim Tsang .